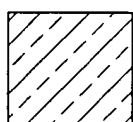
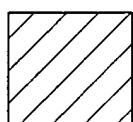


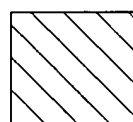
Si



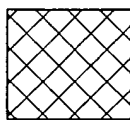
poly



oxide

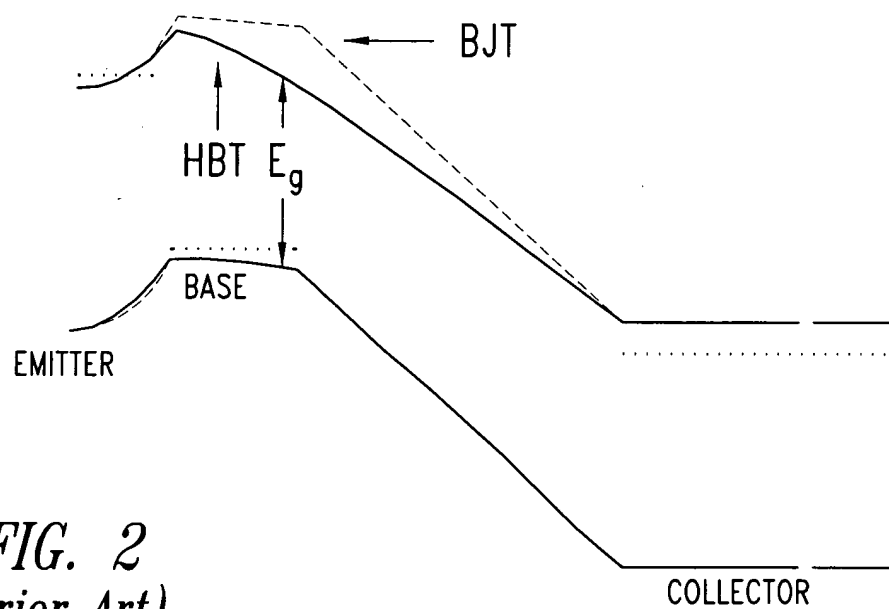


nitride



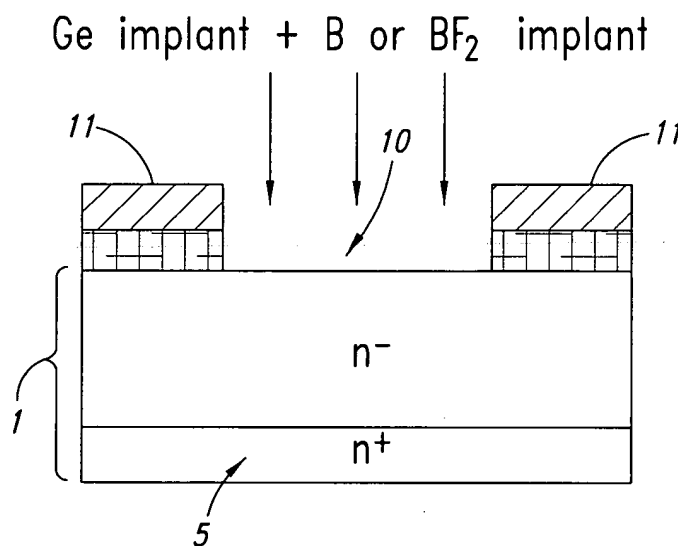
metal

**FIG. 1**  
(Prior Art)

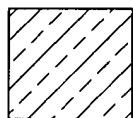
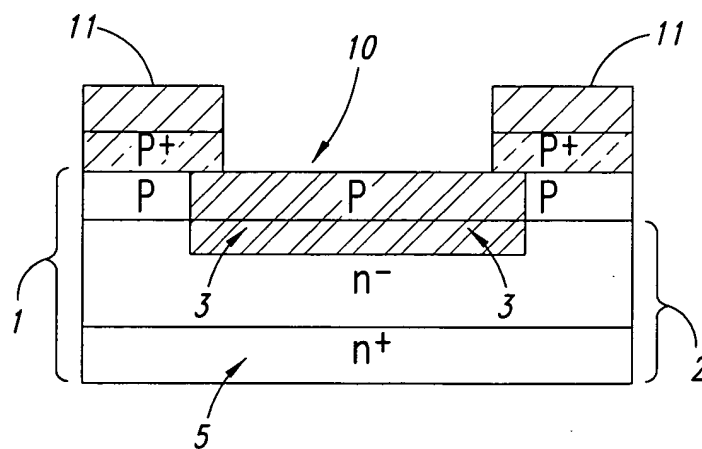


*FIG. 2*  
*(Prior Art)*

**FIG. 3A**  
(Prior Art)



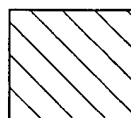
**FIG. 3B**  
(Prior Art)



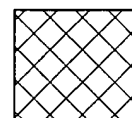
poly



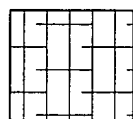
oxide



nitride



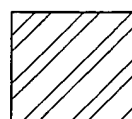
metal



B or BF<sub>2</sub>  
implanted poly

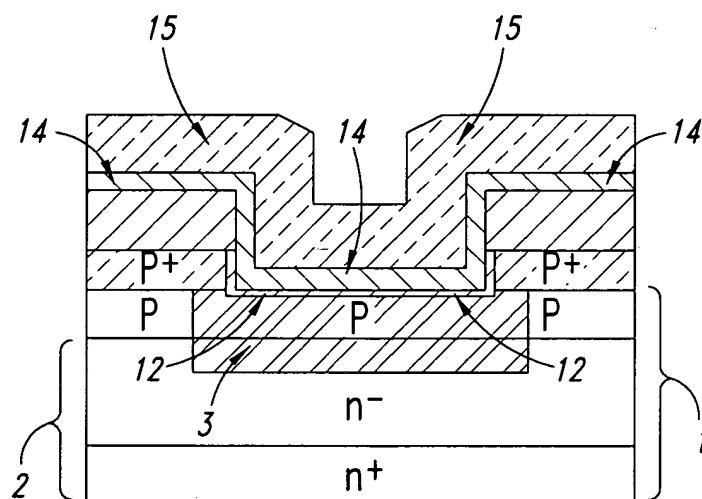


Si

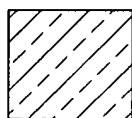
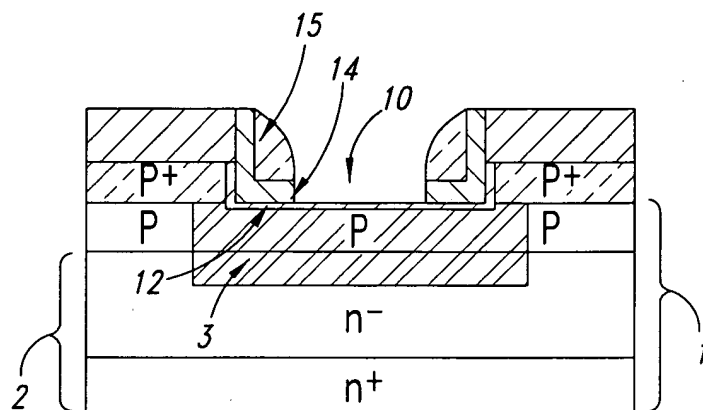


Ge<sub>x</sub> Si<sub>1-x</sub>

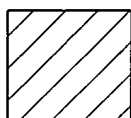
*FIG. 3C*  
(Prior Art)



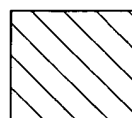
*FIG. 3D*  
(Prior Art)



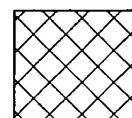
poly



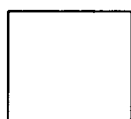
oxide



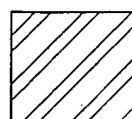
nitride



metal

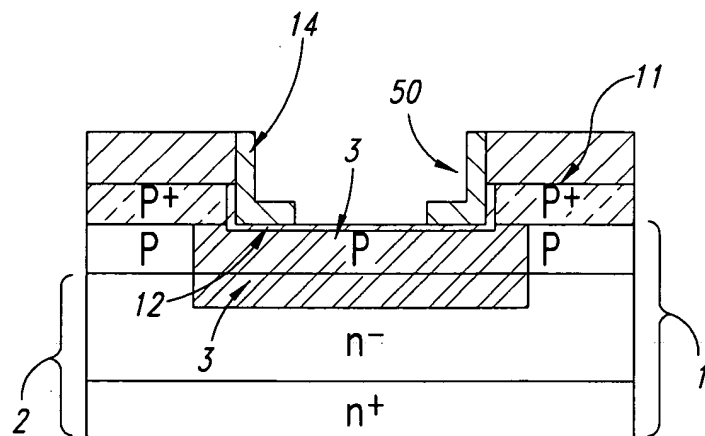


Si

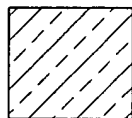
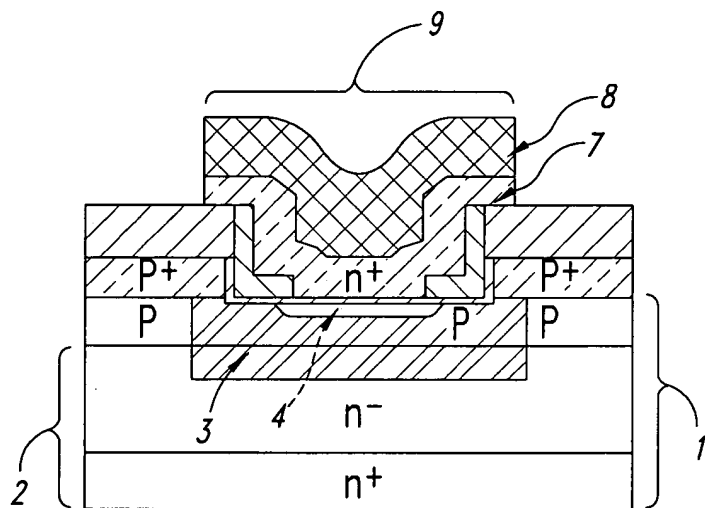


$\text{Ge}_x\text{Si}_{1-x}$

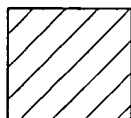
**FIG. 3E**  
(Prior Art)



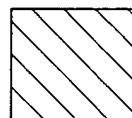
**FIG. 3F**  
(Prior Art)



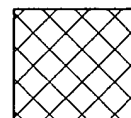
poly



oxide



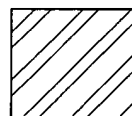
nitride



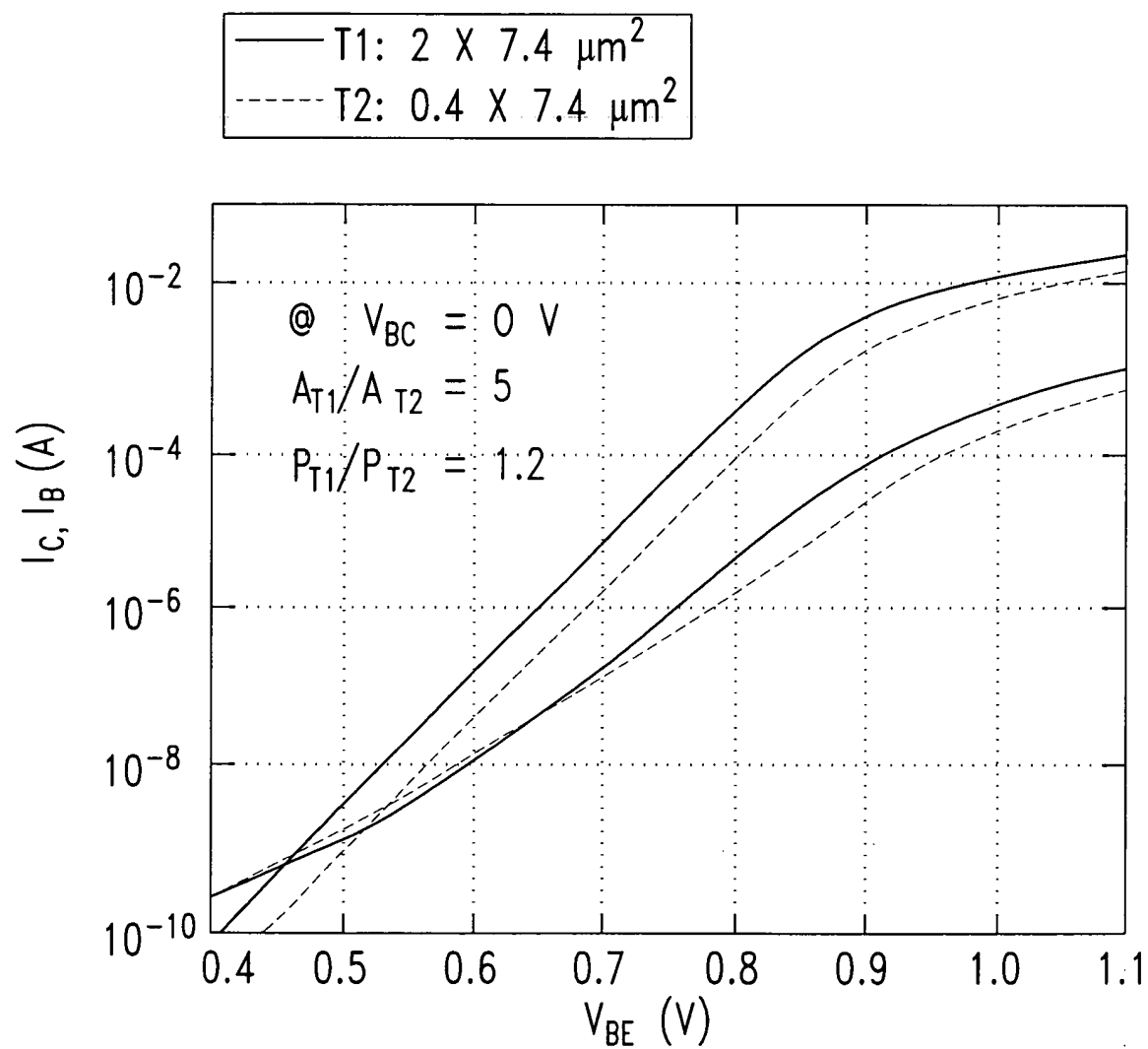
metal



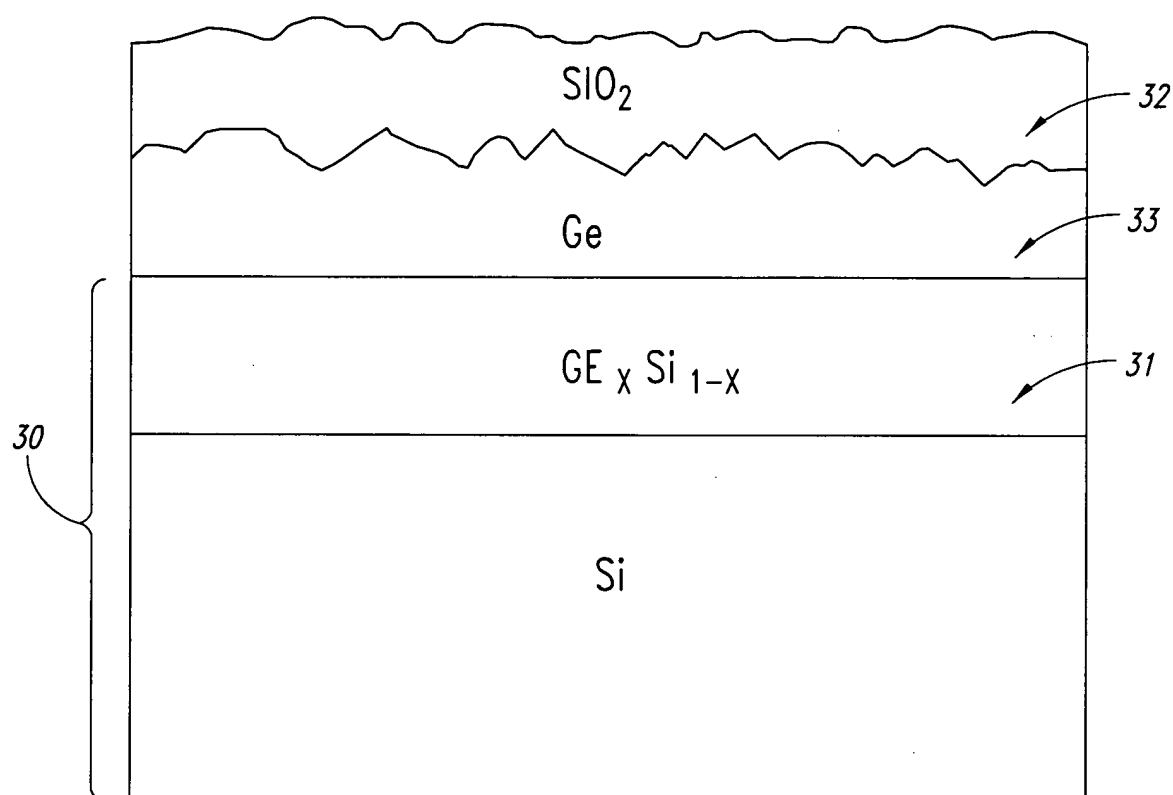
Si



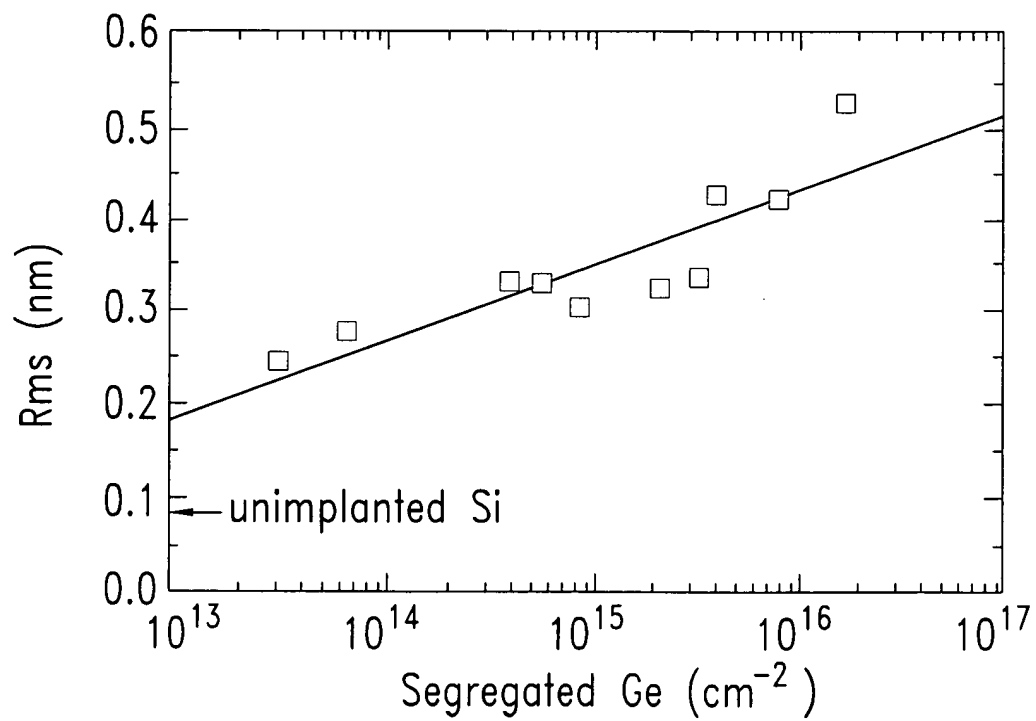
$\text{Ge}_x\text{Si}_{1-x}$



*FIG. 4*

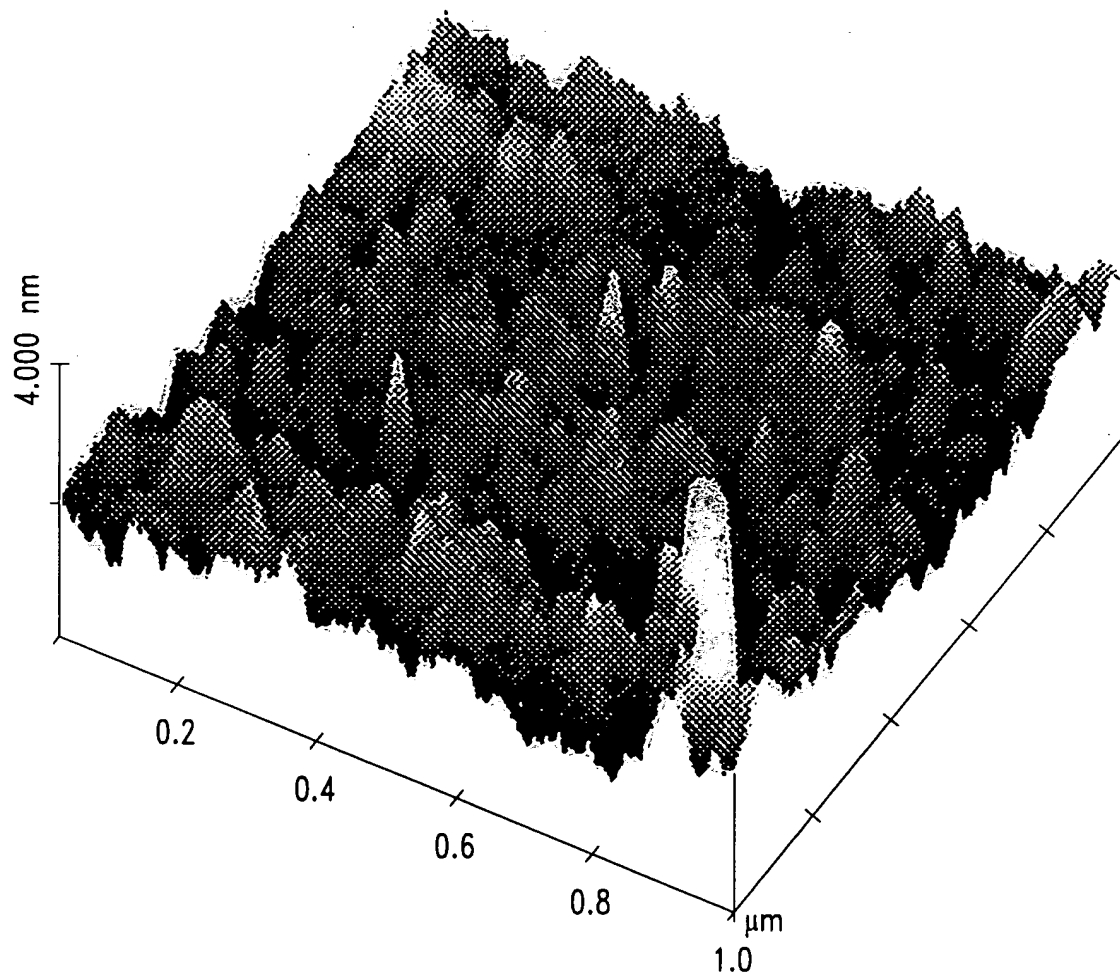


*FIG. 5*



*FIG. 7*

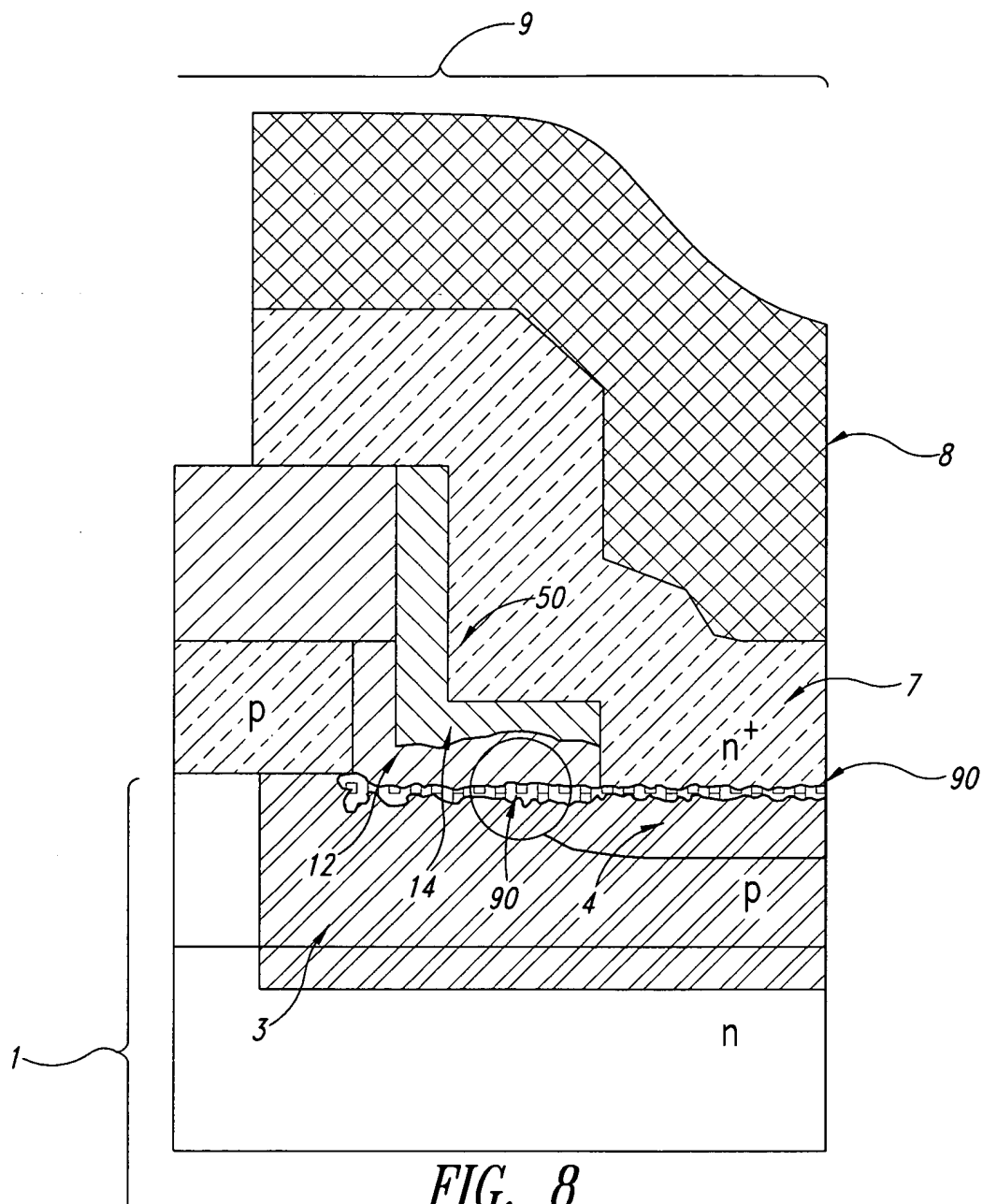
Thermal oxide in  
 $\text{Ge}_x\text{Si}_{1-x}$



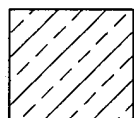
*FIG. 6*

poly

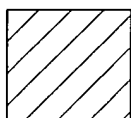




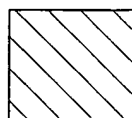
*FIG. 8*  
*(Prior Art)*



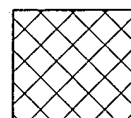
poly



oxide



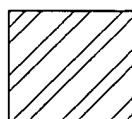
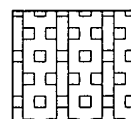
nitride



metal



Si


$$\text{Ge}_x \text{Si}_{1-x}$$


Ge

FIG. 9A

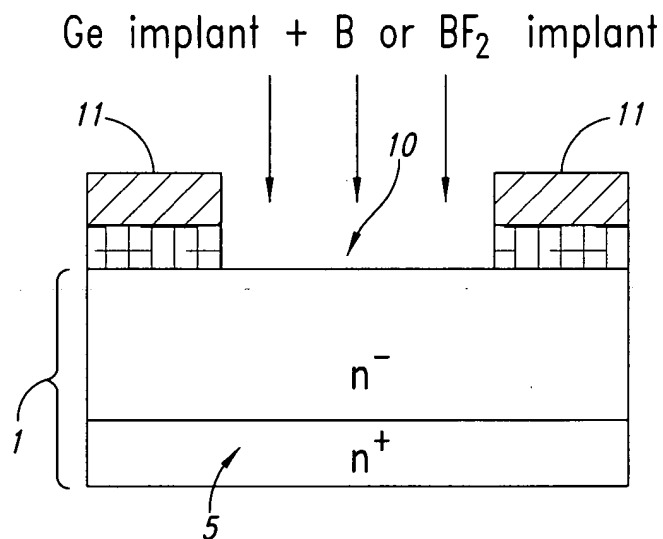


FIG. 9B

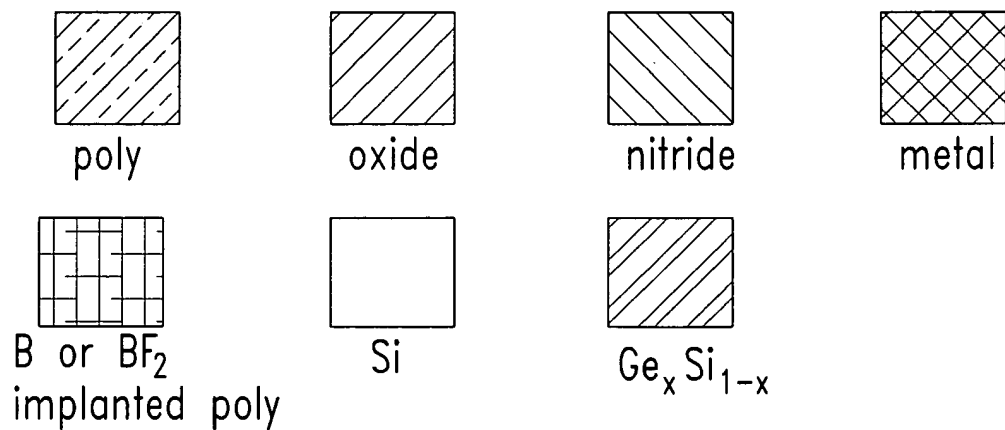
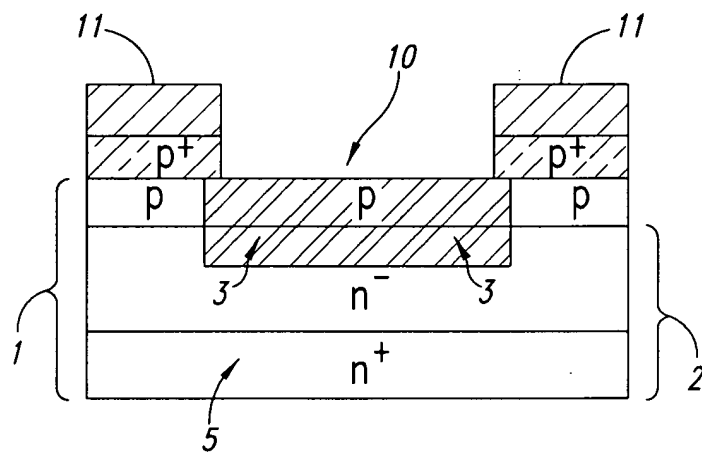


FIG. 9C

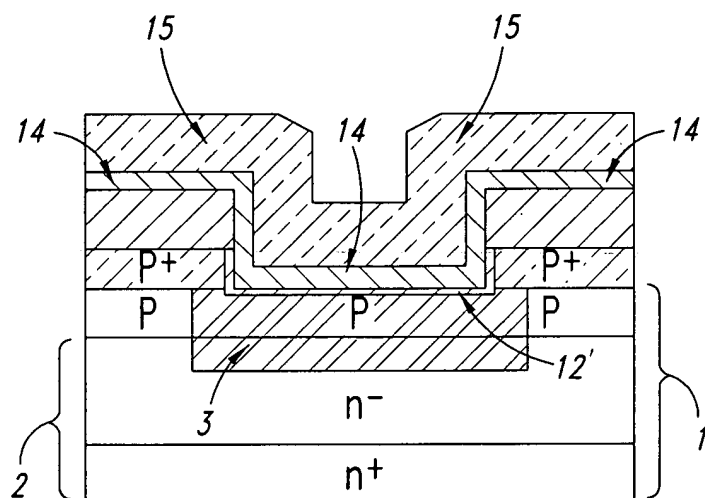
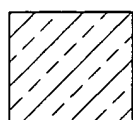
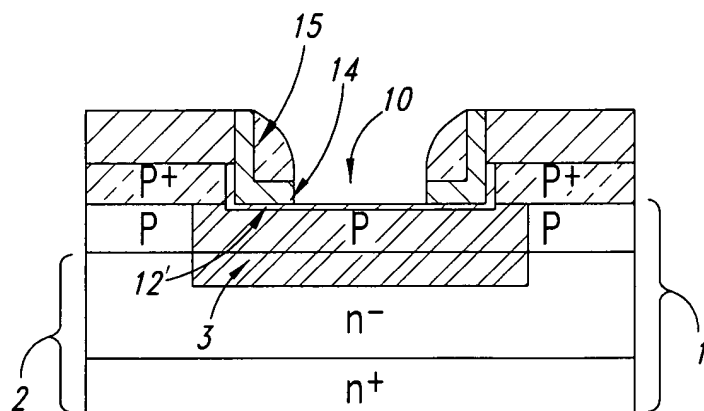
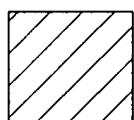


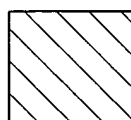
FIG. 9D



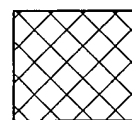
poly



oxide



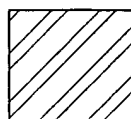
nitride



metal



Si



$\text{Ge}_x\text{Si}_{1-x}$

FIG. 9E

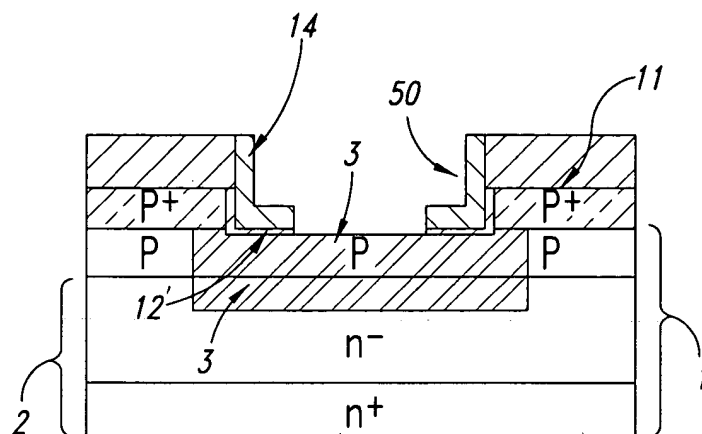
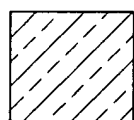
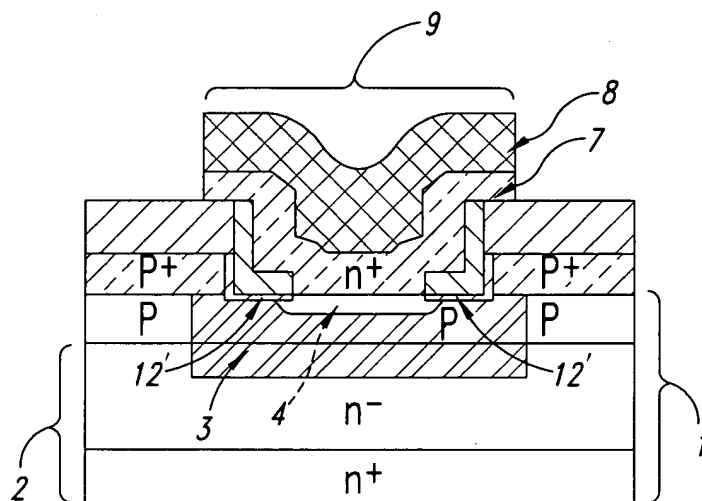
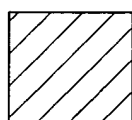


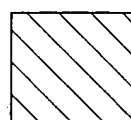
FIG. 9F



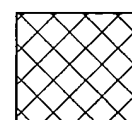
poly



oxide



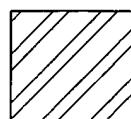
nitride



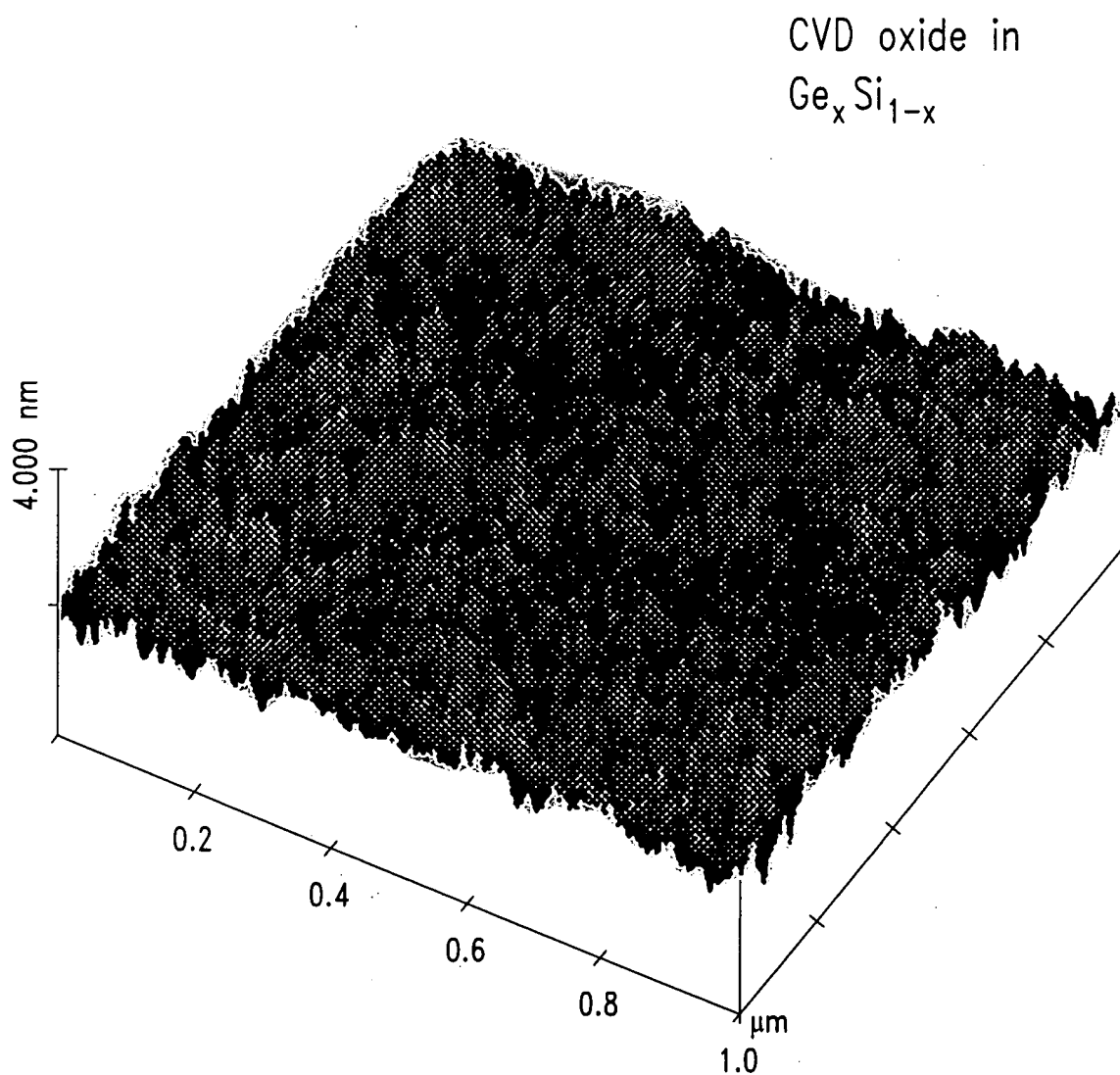
metal



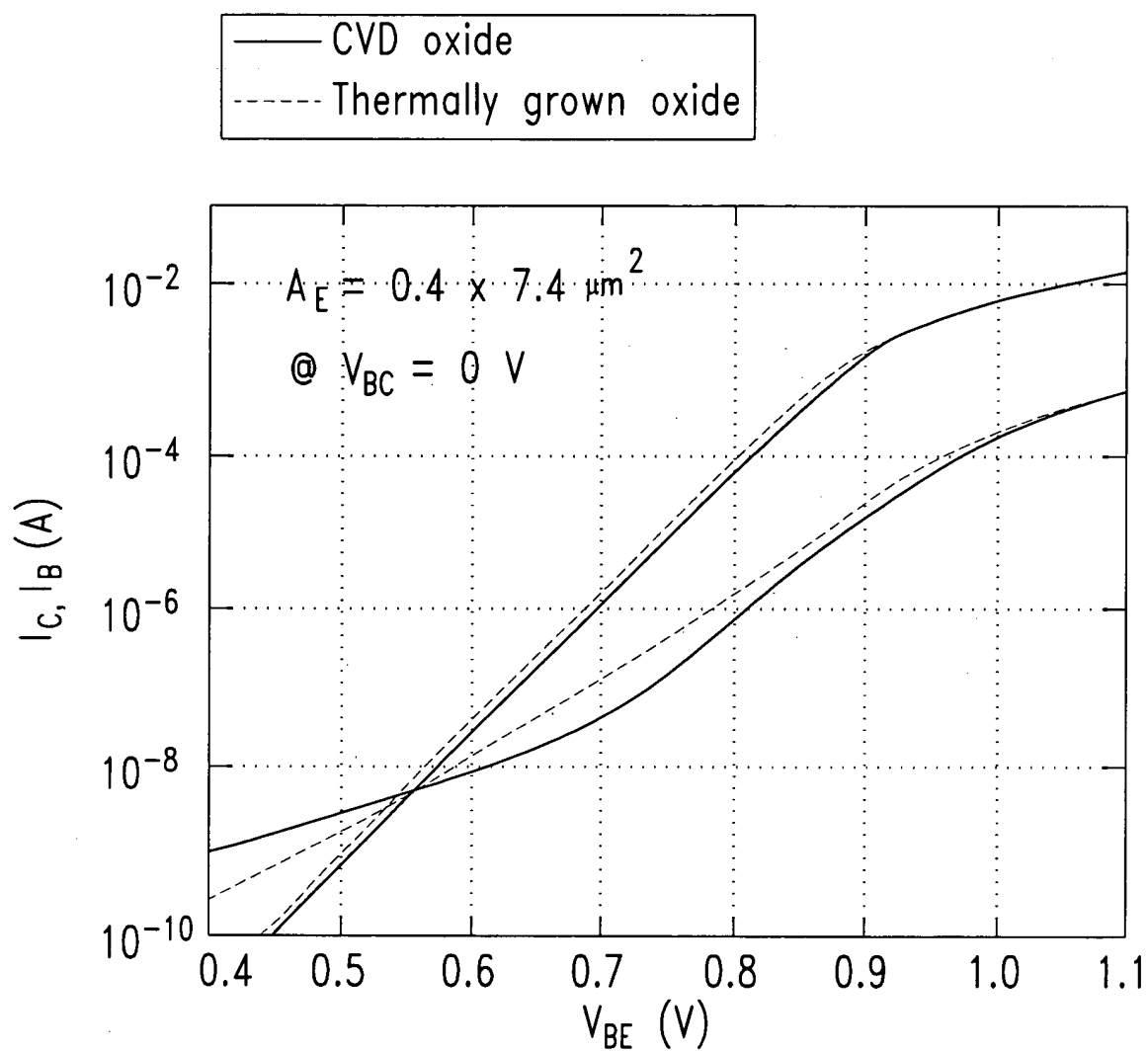
Si



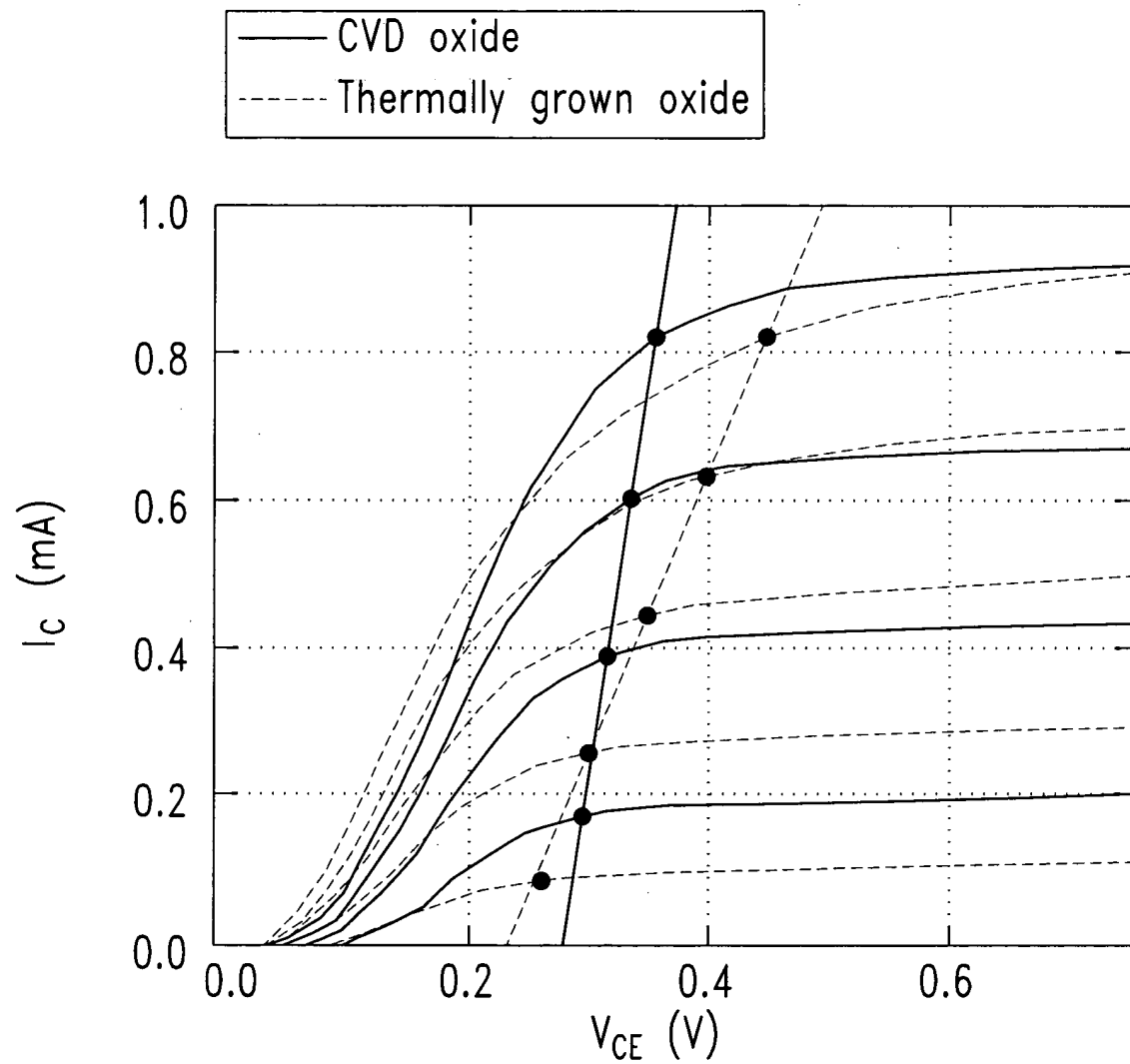
$\text{Ge}_x \text{Si}_{1-x}$



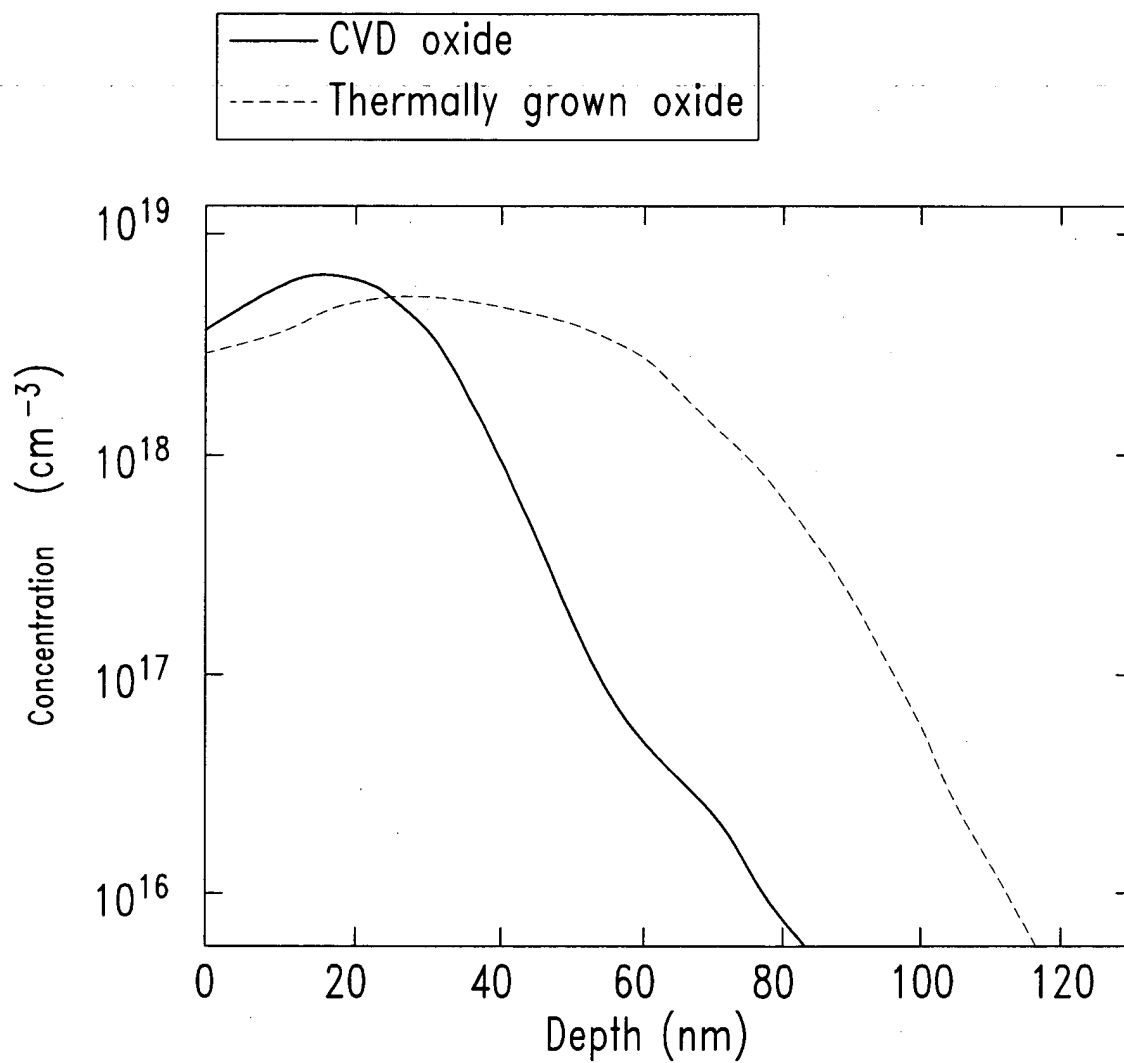
*FIG. 10*



*FIG. 11*

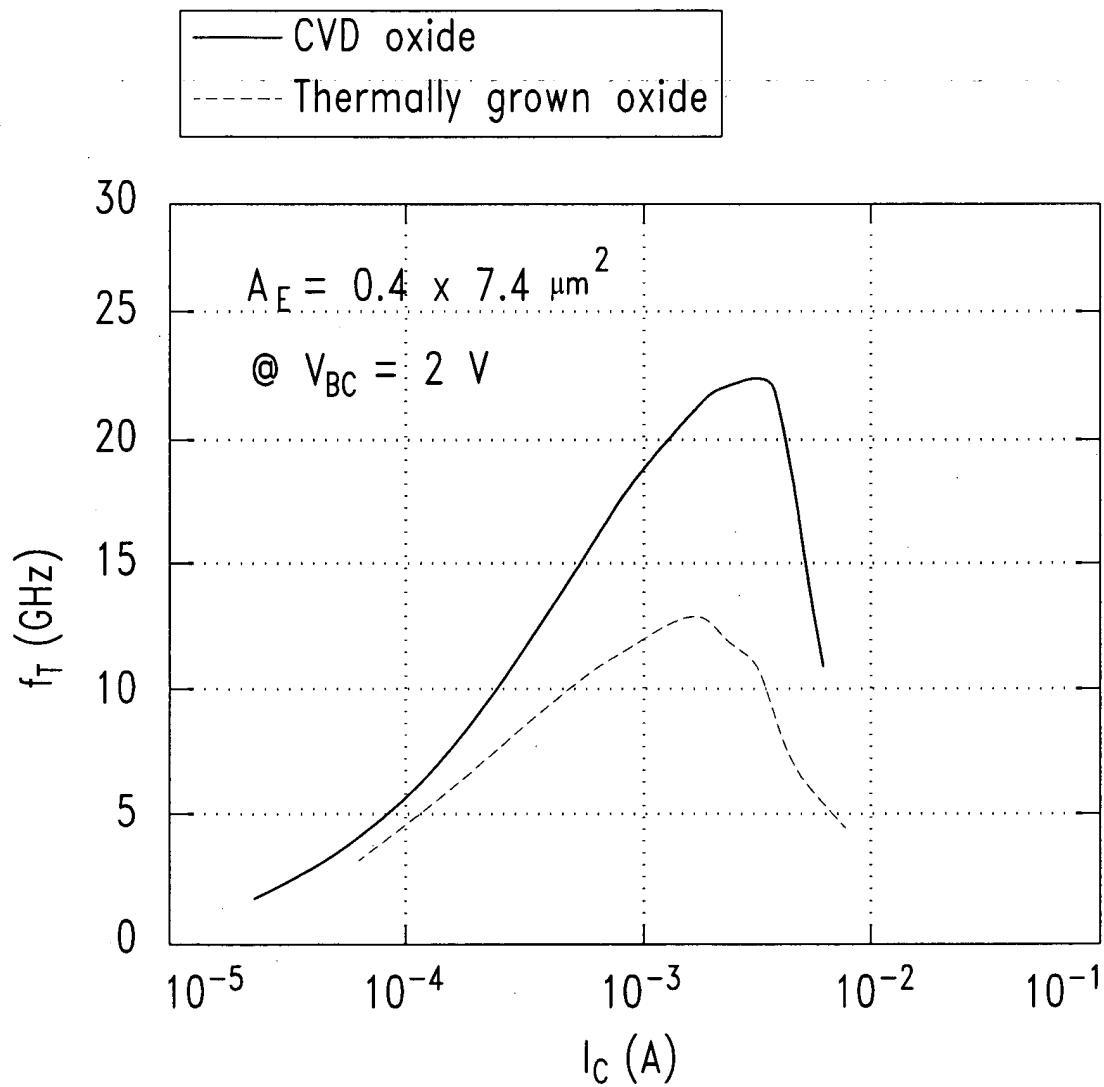


*FIG. 12*



*FIG. 13*





*FIG. 14*